Population Descriptives

Population Descriptive Statistics

	N	Mean	Std. Deviation	Variance
Q1	750	1.643	.884	.782
Q2	750	1.732	.939	.882
Q3	750	1.660	.861	.742
Q4	750	1.745	.927	.859
Q5	750	1.765	.971	.942
Q6	750	1.647	.885	.783
Q7	750	1.617	.897	.804
Valid N (listwise)	750			

Std. Deviation and Variance use N rather than N-1 in denominators.

Nonparametric Tests

Notes

Output Created		29-DEC-2021 16:54:47
Comments		
Input	Data	C:\Users\pkaml\Documents\Data fpr 2020-21.sav

	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	750
Syntax		NPTESTS /ONESAMPLE TEST (q1 q2 q3 q4 q5 q6 q7) /MISSING SCOPE=ANALYSIS USERMISSING=EXCLUDE /CRITERIA ALPHA=0.05 CILEVEL=95 SEED=RANDOM.
Resources	Processor Time	00:00:02.44
	Elapsed Time	00:00:02.20

Hypothesis Test Summary

	Null Hypothesis	Test	Sig.[a,b]	Decisi
1	The categories of Q1 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the nul hypothesis.
2	The categories of Q2 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the nul hypothesis.
3	The categories of Q3 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the nul hypothesis.
4	The categories of Q4 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the nul hypothesis.
5	The categories of Q5 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the nul hypothesis.
6	The categories of Q6 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the nul hypothesis.
7	The categories of Q7 occur with equal probabilities.	One-Sample Chi-Square Test	.000	Reject the nul hypothesis.

a. The significance level is .050.

b. Asymptotic significance is displayed.

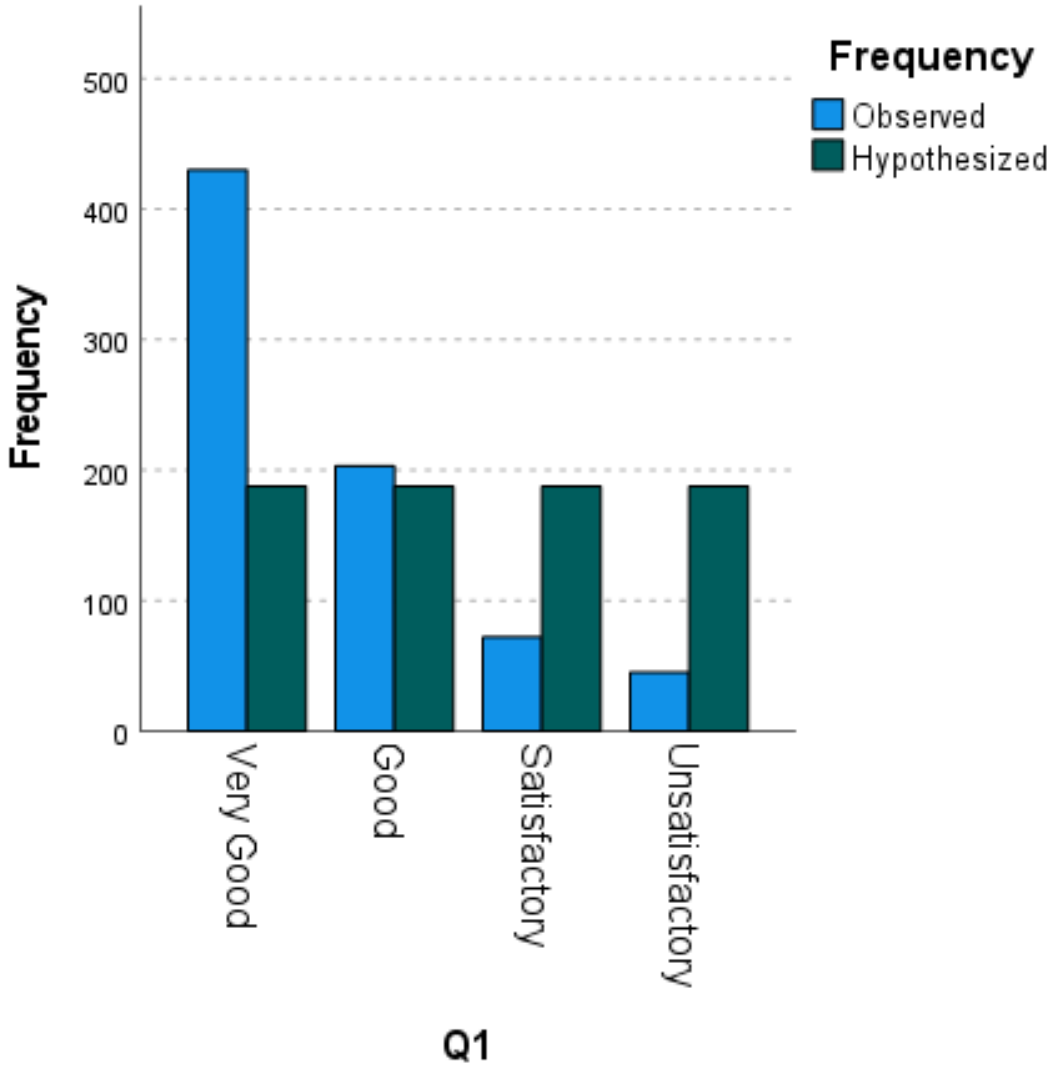
One-Sample Chi-Square Test

Q1

One-Sample Chi-Square Test Summary

Total N	750
Test Statistic	494.363[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 187.500.



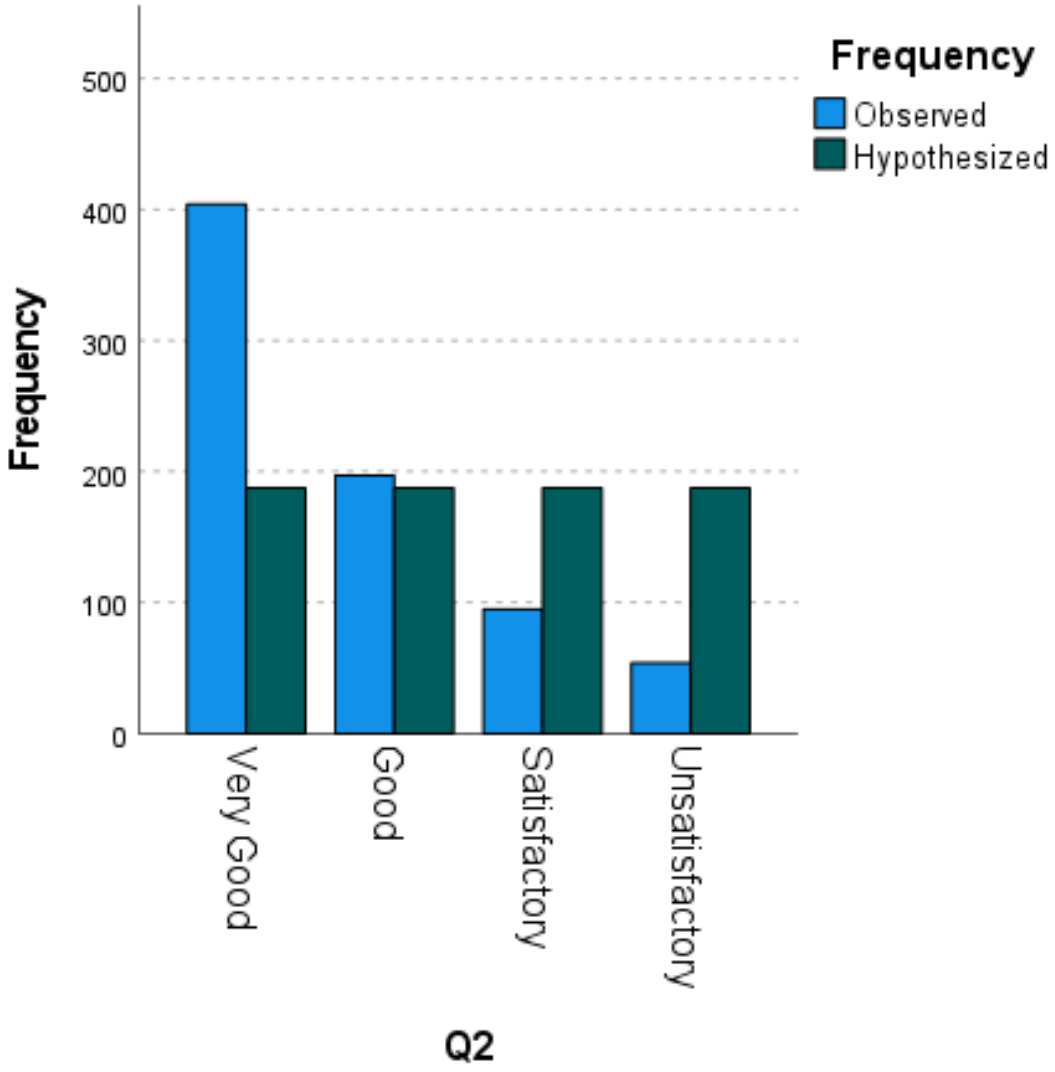
Q2

One-Sample Chi-Square Test Summary

Total N	750
Test Statistic	391.152[a]
Degree Of Freedom	3

Asymptotic Sig.(2-sided test)	.000

a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 187.500.

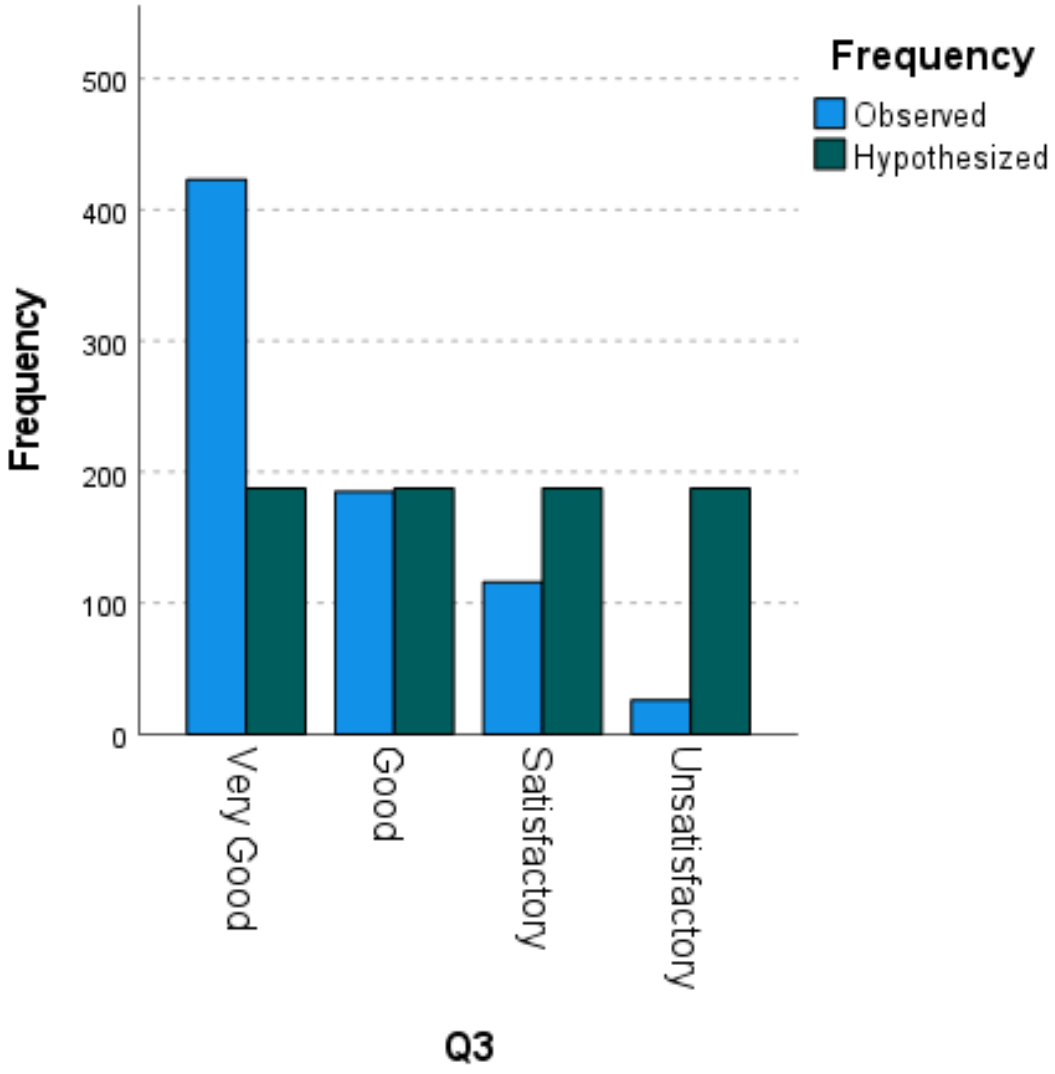


Q3

One-Sample Chi-Square Test Summary

Total N	750
Test Statistic	462.192[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 187.500.

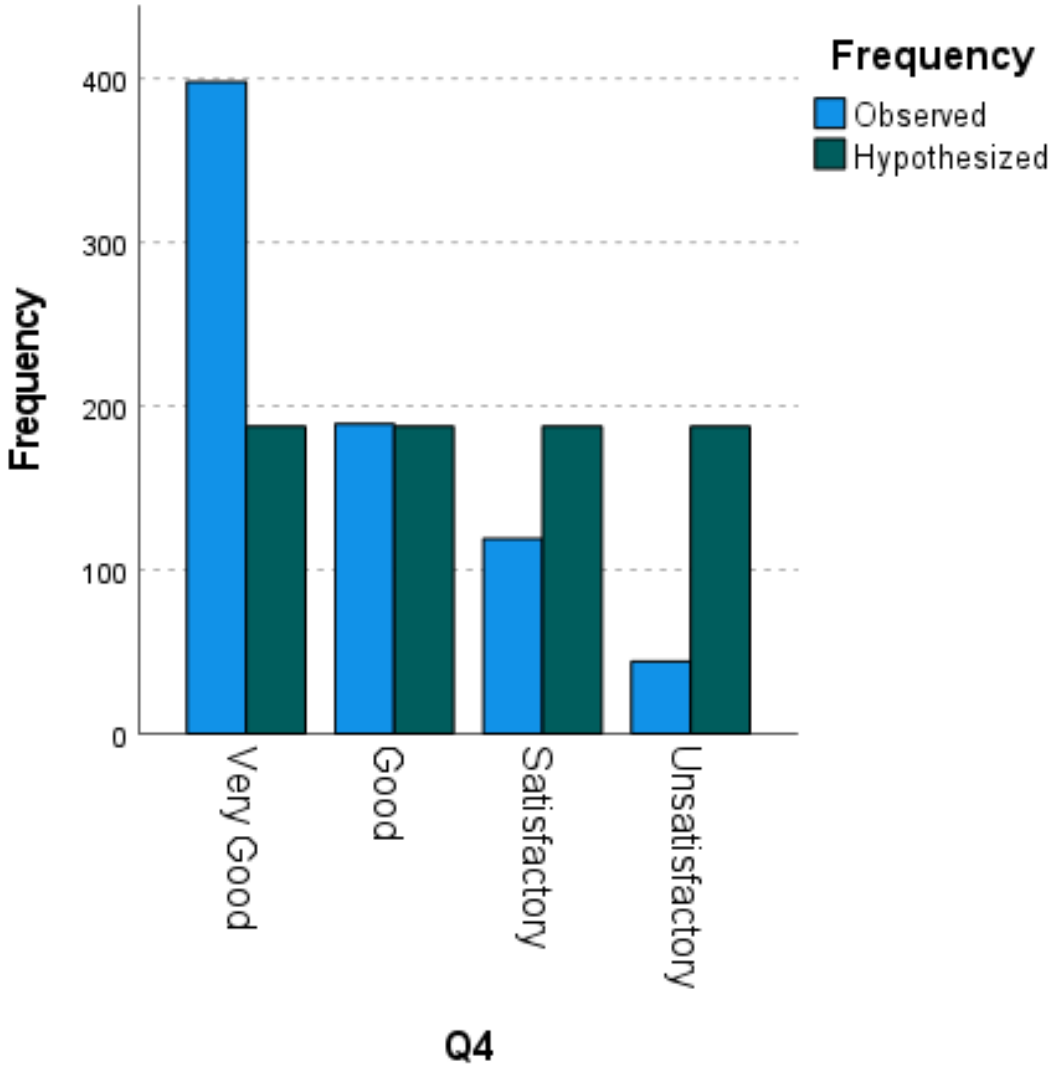


Q4

One-Sample Chi-Square Test Summary

Total N	750
Test Statistic	371.184[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 187.500.



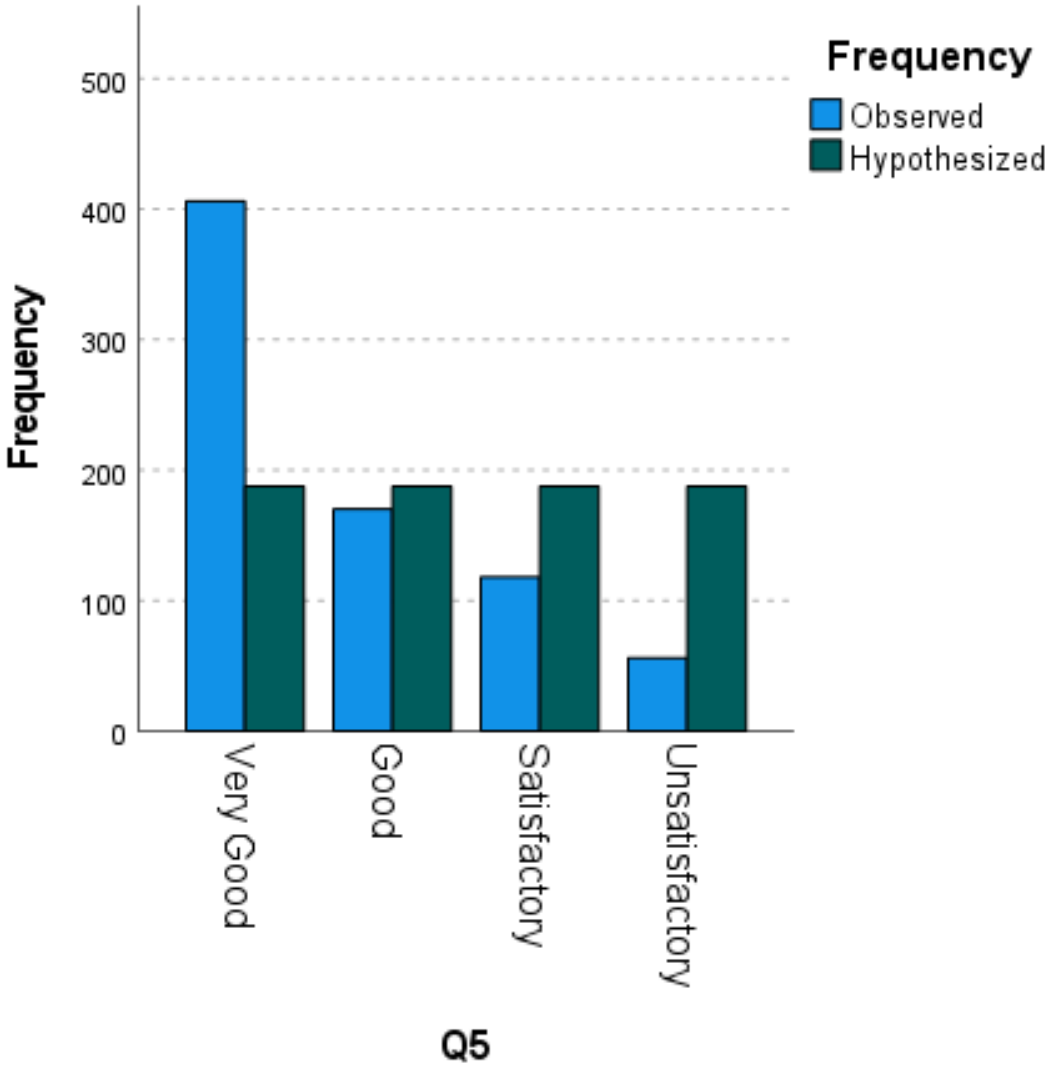
Q5

One-Sample Chi-Square Test Summary

Total N	750
Test Statistic	374.245[a]
Degree Of Freedom	3

Asymptotic Sig.(2-sided test)	.000

a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 187.500.

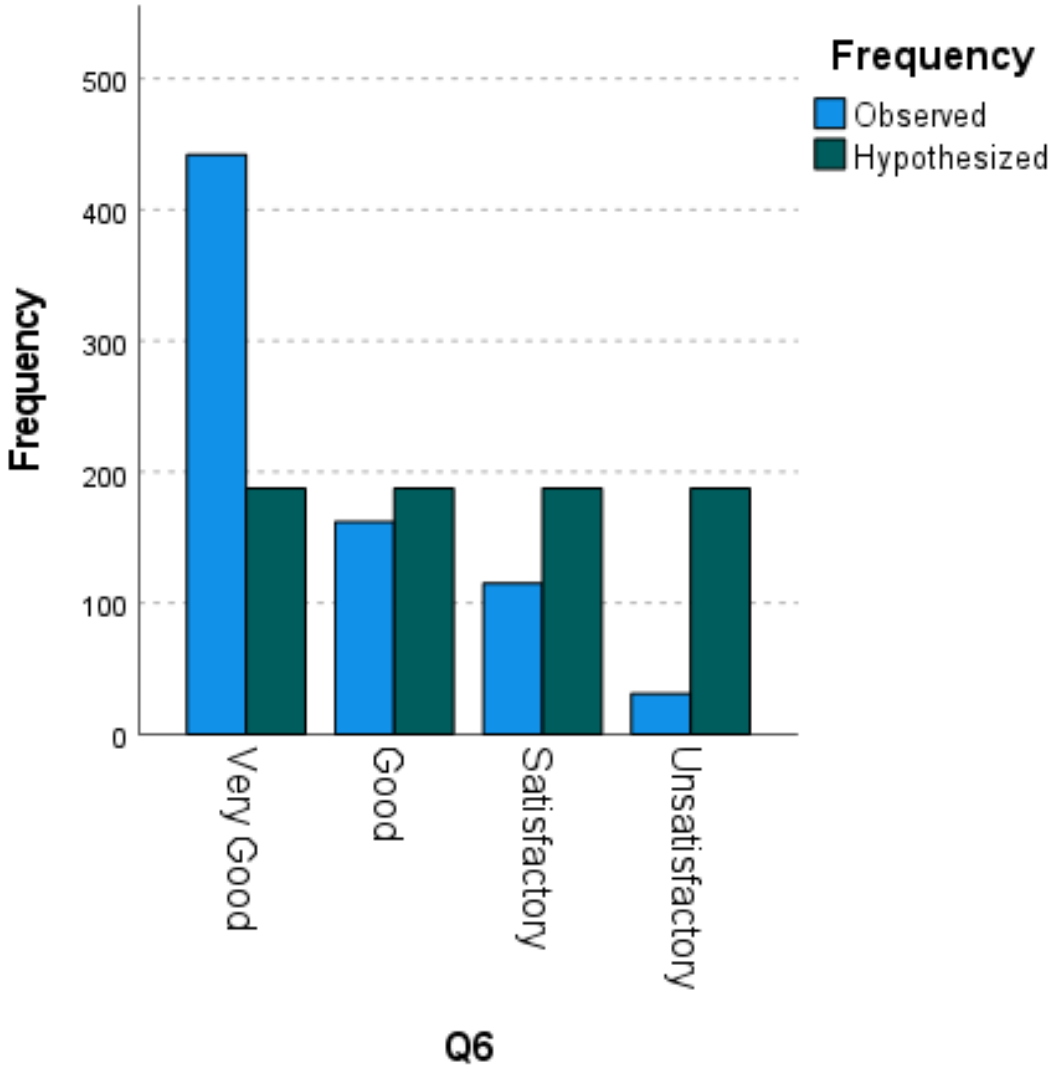


Q6

One-Sample Chi-Square Test Summary

Total N	750
Test Statistic	507.568[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 187.500.

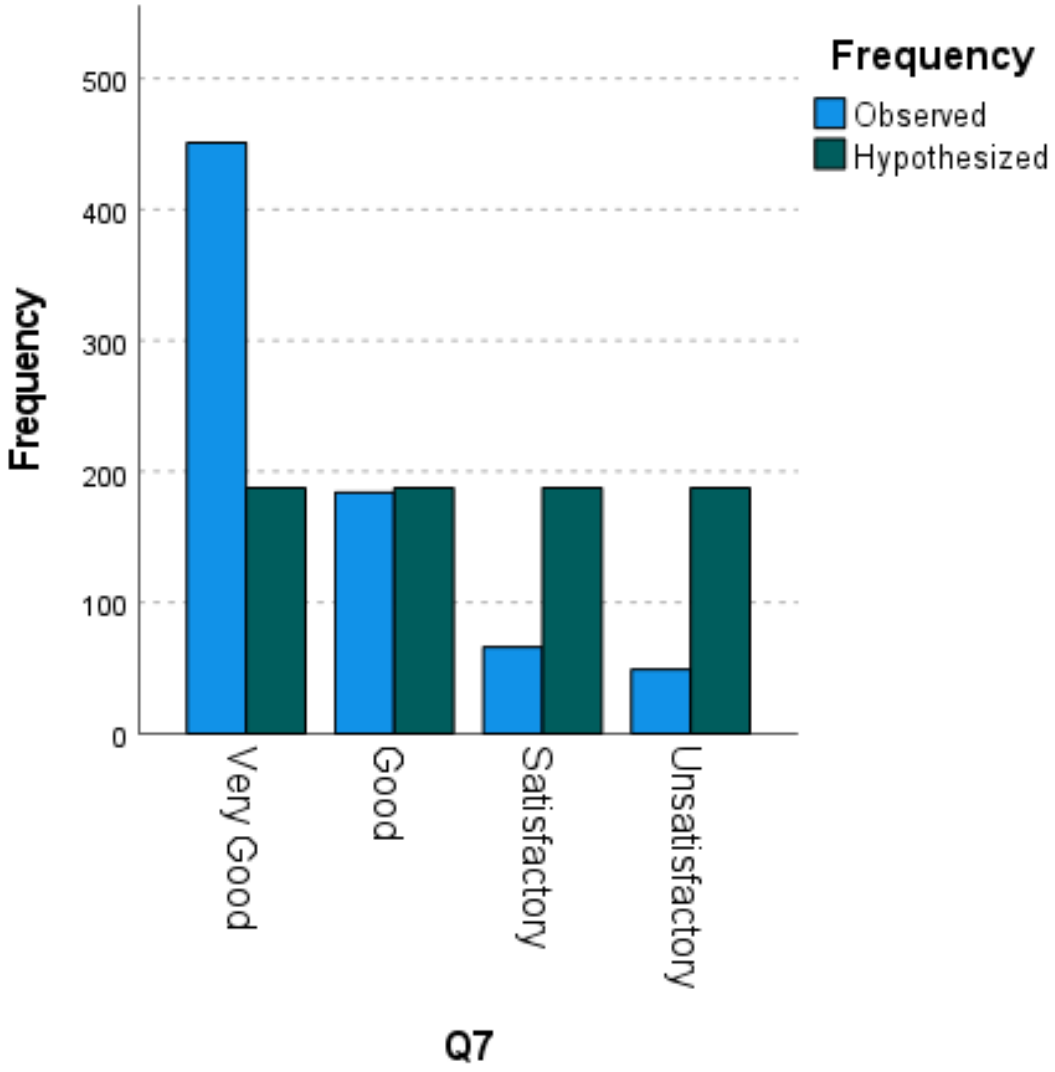


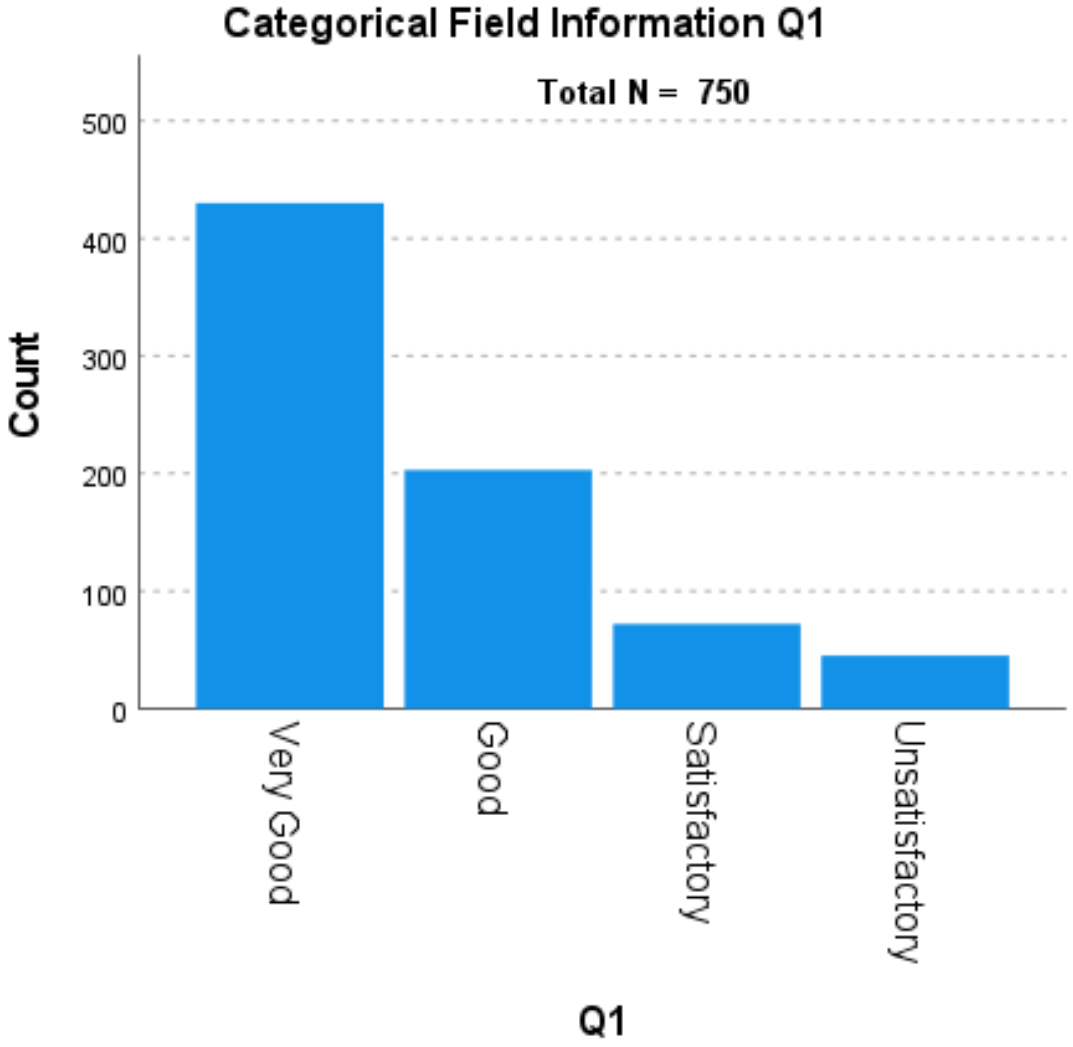
Q7

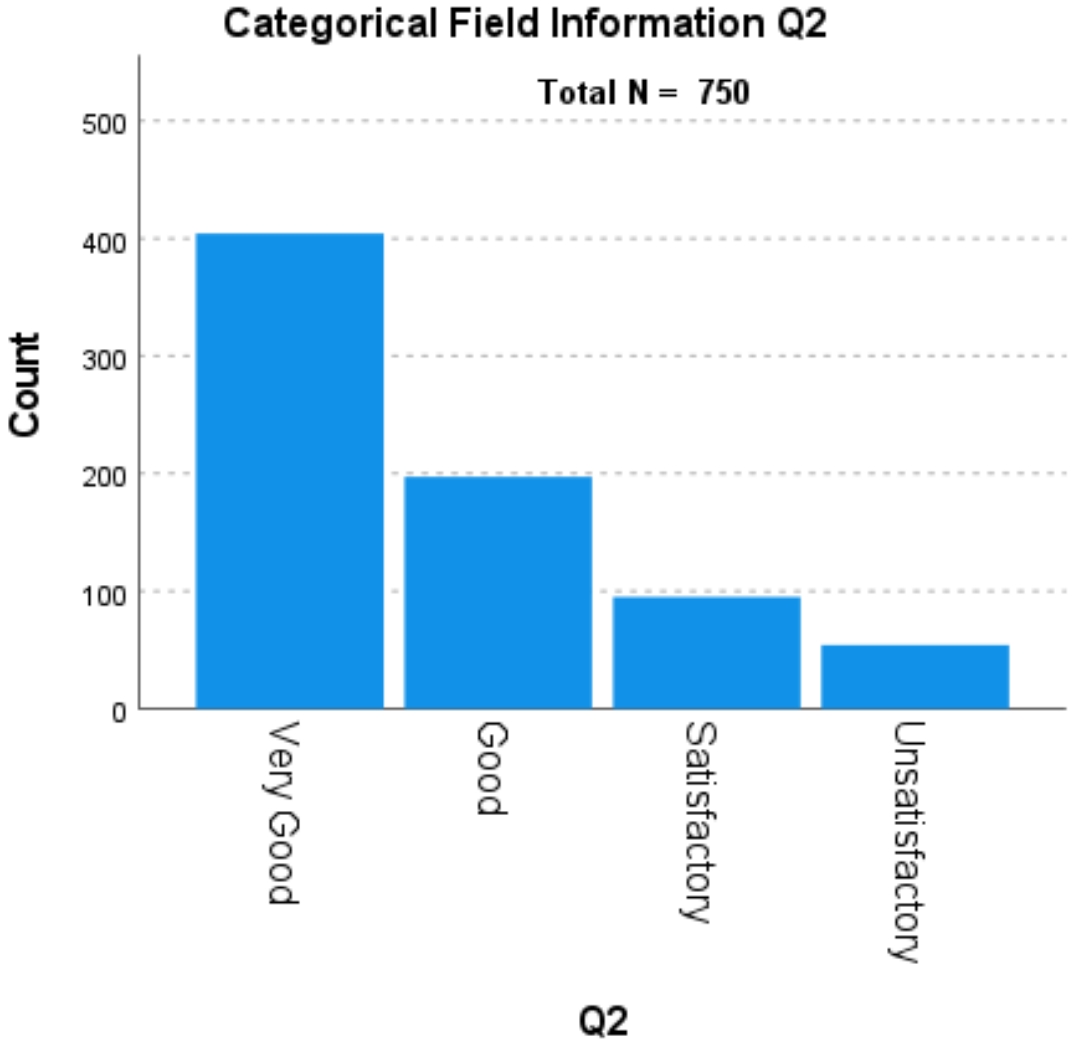
One-Sample Chi-Square Test Summary

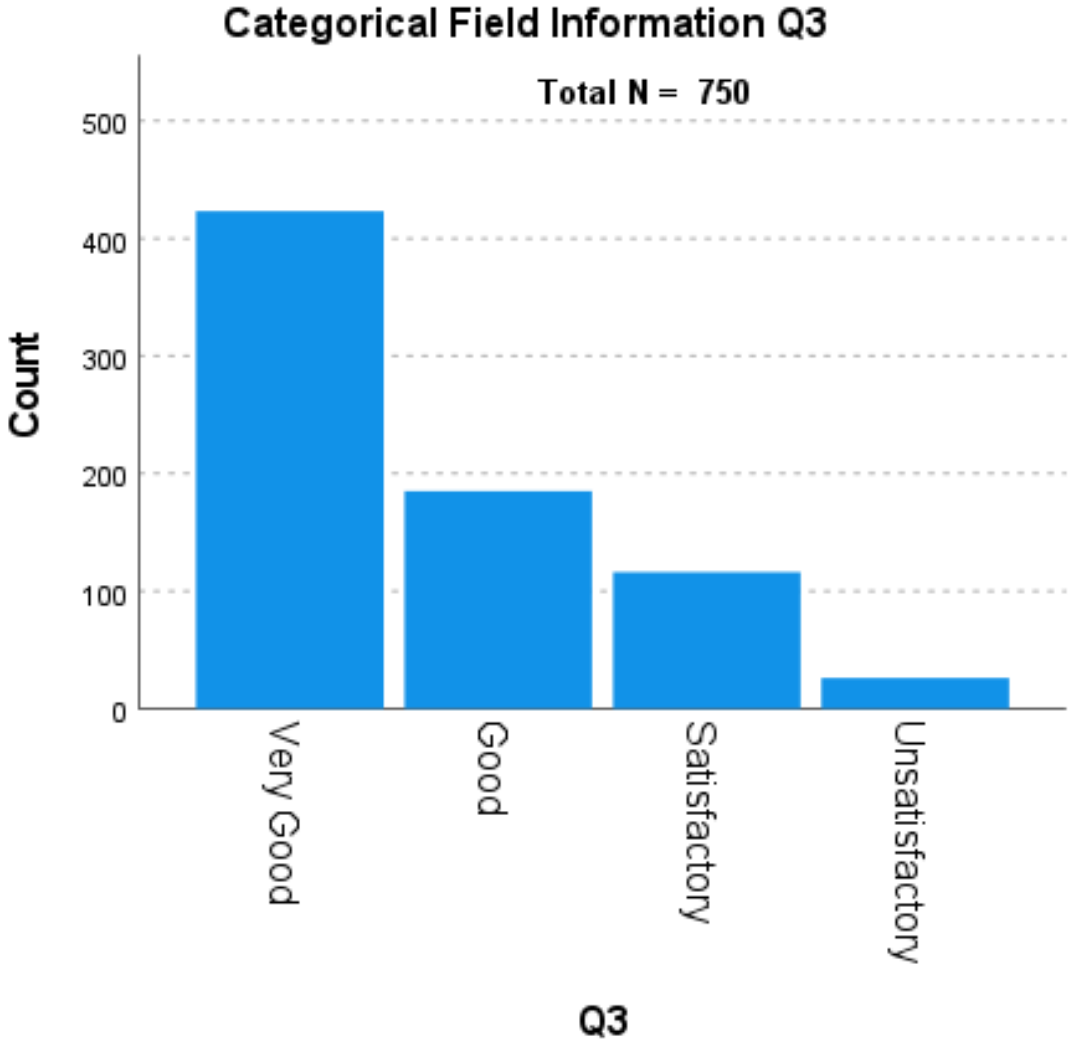
Total N	750
Test Statistic	551.408[a]
Degree Of Freedom	3
Asymptotic Sig.(2-sided test)	.000

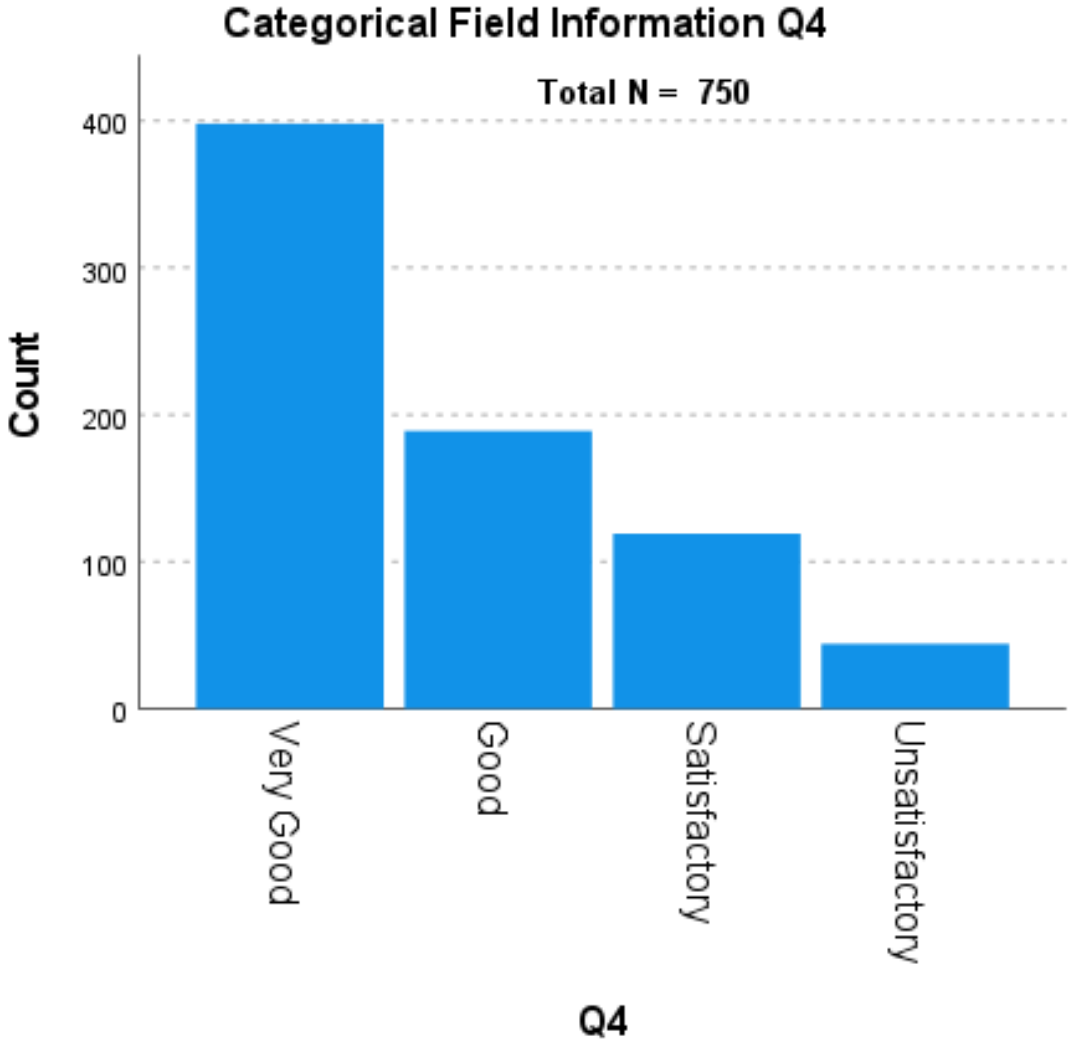
a. There are 0 cells (0%) with expected values less than 5. The minimum expected value is 187.500.

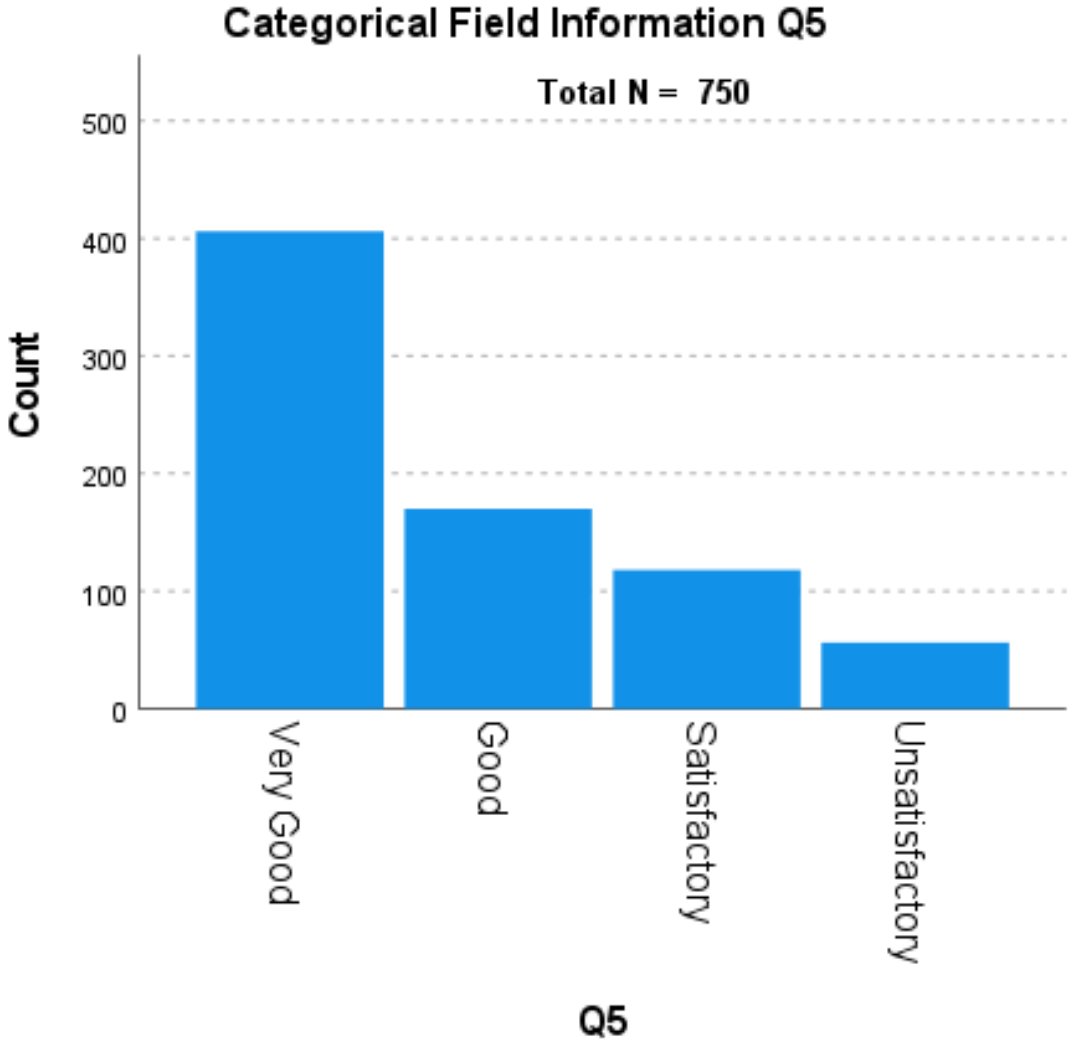

Frequency
Observed
Hypothesized
500
400
300
200
100
0
Frequency
Very Good
Good
Satisfactory
Unsatisfactory
Q7

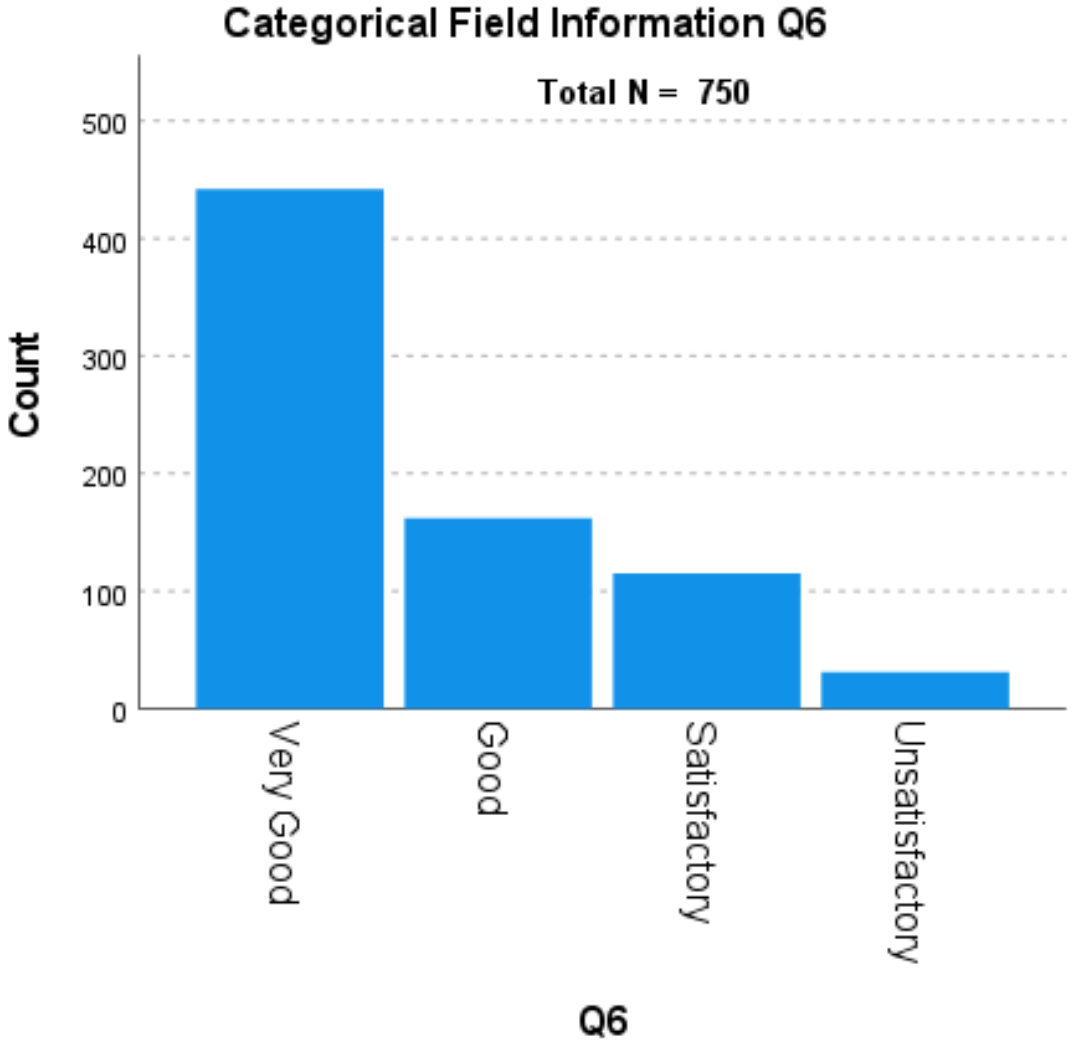

Categorical Field Information Q1
Total N = 750
Count
500
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q1

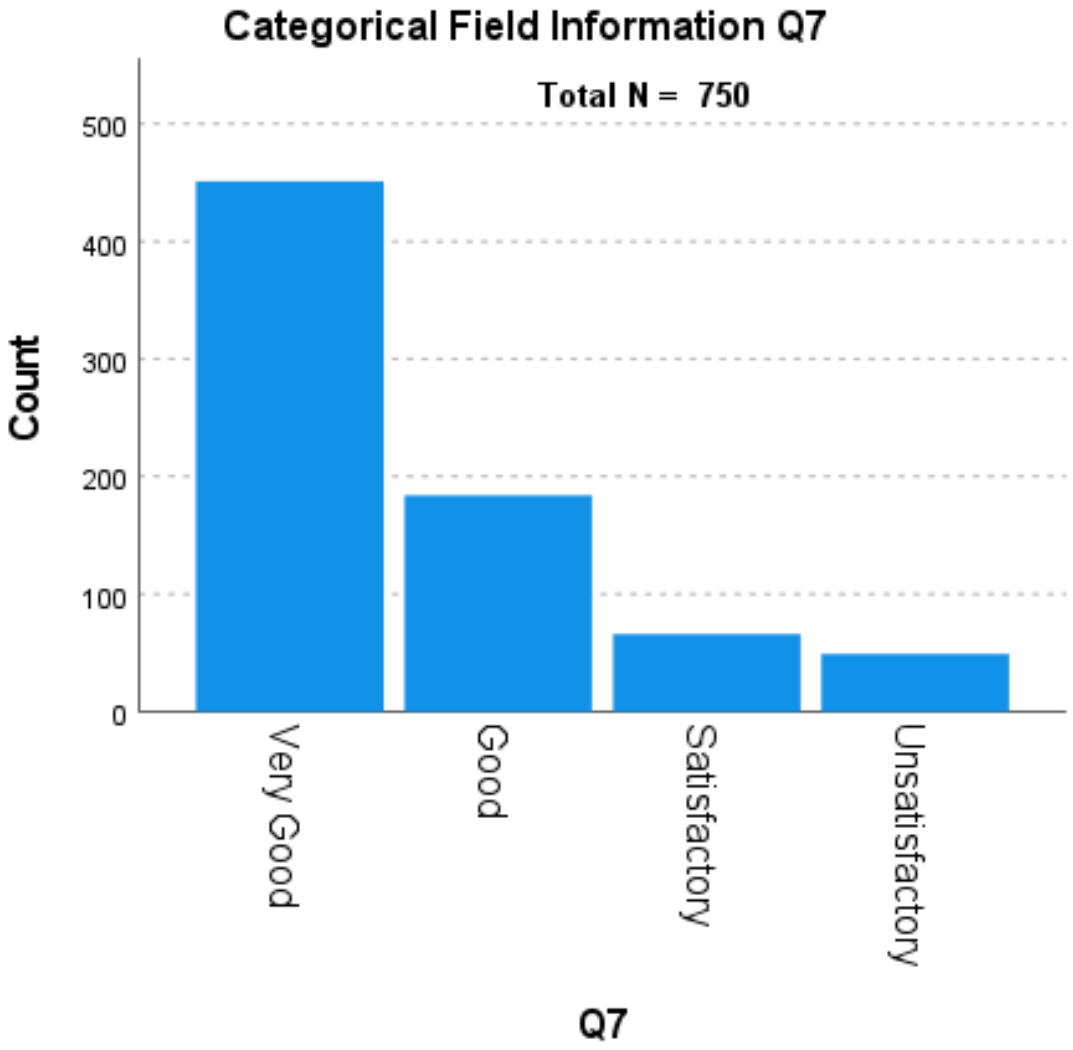

Categorical Field Information Q2
Total N = 750
Count
500
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q2


Categorical Field Information Q3
Total N = 750
Count
500
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q3


Categorical Field Information Q4
Total N = 750
Count
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q4


Categorical Field Information Q5
Total N = 750
Count
500
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q5


Categorical Field Information Q6
Total N = 750
Count
500
400
300
200
100
0
Very Good
Good
Satisfactory
Unsatisfactory
Q6



T-Test

Notes

Output Created		29-DEC-2021 16:54:55
Comments		
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	Active Dataset	DataSet0
	Filter	<none>
	Weight	<none>
	Split File	<none>
	N of Rows in Working Data File	750
Missing Value Handling	Definition of Missing	User defined missing values are treated as missing.
	Cases Used	Statistics for each analysis are based on the cases with no missing or out-of-range data for any variable in the analysis.
Syntax		T-TEST /TESTVAL=0 /MISSING=ANALYSIS /VARIABLES=Q1 Q2 Q3 Q4 Q5 Q6 Q7 /ES DISPLAY(TRUE) /CRITERIA=CI(.95).
Resources	Processor Time	00:00:00.02
	Elapsed Time	00:00:00.02

One-Sample Statistics

	N	Mean	Std. Deviation	Std. Error Mean
Q1	750	1.6427	.88470	.03230
Q2	750	1.7320	.93951	.03431
Q3	750	1.6600	.86181	.03147
Q4	750	1.7453	.92752	.03387
Q5	750	1.7653	.97135	.03547
Q6	750	1.6467	.88555	.03234
Q7	750	1.6173	.89739	.03277

One-Sample Test

Test Value = 0

	t	df	Significance One-Sided p	Significance Two-Sided p	Mean Difference	95% Confidence Interval the Difference Lower	Upper
Q1	50.849	749	<.001	<.001	1.64267	1.5792	1.7
Q2	50.487	749	<.001	<.001	1.73200	1.6647	1.7
Q3	52.750	749	<.001	<.001	1.66000	1.5982	1.7
Q4	51.533	749	<.001	<.001	1.74533	1.6788	1.8
Q5	49.772	749	<.001	<.001	1.76533	1.6957	1.8
Q6	50.924	749	<.001	<.001	1.64667	1.5832	1.7
Q7	49.357	749	<.001	<.001	1.61733	1.5530	1.6

One-Sample Effect Sizes

		Standardizer [a]	Point Estimate	95% Confidence Interval Lower	Upper
Q1	Cohen's d	.88470	1.857	1.738	1.975
	Hedges' correction	.88558	1.855	1.737	1.973
Q2	Cohen's d	.93951	1.844	1.726	1.961
	Hedges' correction	.94046	1.842	1.724	1.959
Q3	Cohen's d	.86181	1.926	1.805	2.047
	Hedges' correction	.86268	1.924	1.803	2.045
Q4	Cohen's d	.92752	1.882	1.762	2.001
	Hedges' correction	.92845	1.880	1.761	1.999
Q5	Cohen's d	.97135	1.817	1.701	1.934
	Hedges' correction	.97233	1.816	1.699	1.932
Q6	Cohen's d	.88555	1.859	1.741	1.977
	Hedges' correction	.88644	1.858	1.739	1.976
Q7	Cohen's d	.89739	1.802	1.686	1.918
	Hedges' correction	.89829	1.800	1.684	1.916

a. The denominator used in estimating the effect sizes.
Cohen's d uses the sample standard deviation.
Hedges' correction uses the sample standard deviation, plus a correction factor.